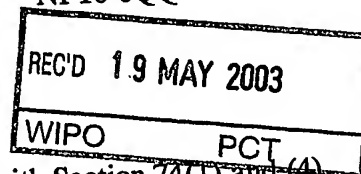




PCT/GB 2003 / 001660  
10 / 511889  
INVESTOR IN PEOPLE

**PRIORITY  
DOCUMENT**  
SUBMITTED OR TRANSMITTED IN  
COMPLIANCE WITH RULE 17.1(a) OR (b)

The Patent Office  
Concept House  
Cardiff Road  
Newport  
South Wales NP10 8QQ  
OCT 2004



I, the undersigned, being an officer duly authorised in accordance with Section 74(1) and (4) of the Deregulation & Contracting Out Act 1994, to sign and issue certificates on behalf of the Comptroller-General, hereby certify that annexed hereto is a true copy of the documents as originally filed in connection with the patent application identified therein.

In accordance with the Patents (Companies Re-registration) Rules 1982, if a company named in this certificate and any accompanying documents has re-registered under the Companies Act 1980 with the same name as that with which it was registered immediately before re-registration save for the substitution as, or inclusion as, the last part of the name of the words "public limited company" or their equivalents in Welsh, references to the name of the company in this certificate and any accompanying documents shall be treated as references to the name with which it is so re-registered.

In accordance with the rules, the words "public limited company" may be replaced by p.l.c., plc, P.L.C. or PLC.

Re-registration under the Companies Act does not constitute a new legal entity but merely subjects the company to certain additional company law rules.

Signed

*Andrew Giersey*

Dated 30 April 2003

**BEST AVAILABLE COPY**

For official use

THE PATENT OFFICE

K

26 APR 2002

NEWPORT

26APR02 E714210-1 C84657  
P01/7700 0.00-0209561.0

26 APR 2002

Your reference

### Notes

Please type, or write in dark ink using CAPITAL letters. A prescribed fee is payable for a request for grant of a patent. For details, please contact the Patent Office (telephone 071-438 4700).

Rule 16 of the Patents Rules 1990 is the main rule governing the completion and filing of this form.

② Do not give trading styles, for example, 'Trading as XYZ company', nationality or former names, for example, 'formerly (known as) ABC Ltd' as these are not required.

### Warning

After an application for a Patent has been filed, the Comptroller of the Patent Office will consider whether publication or communication of the invention should be prohibited or restricted under Section 22 of the Patents Act 1977 and will inform the applicant if such prohibition or restriction is necessary. Applicants resident in the United Kingdom are also reminded that under Section 23, applications may not be filed abroad without written permission unless an application has been filed not less than 6 weeks previously in the United Kingdom for a patent for the same invention and either no direction prohibiting publication or communication has been given, or any such direction revoked.

The  
**Patent  
Office**

## Request for grant of a Patent Form 1/77

Patents Act 1977

### ① Title of invention

1 Please give the title of the invention

ADJUSTABLE  
SKID ASSEMBLY

### ② Applicant's details

0209561.0

☐ First or only applicant

2a If you are applying as a corporate body please give:  
Corporate name

Country (and State  
of incorporation, if  
appropriate)

2b If you are applying as an individual or one of a partnership please give in full

Surname

REYNARD

Forenames

KENNETH

2c In all cases, please give the following details:

Address DURALOC LTD

UNIT 7

CARLTON MINIOTT BUSINESS PARK

THIRSK

N. YORKS

UK postcode  
(if applicable)

YO7 4WF

Country

ENGLAND

ADP number  
(if known)

8222226001

4. Agent's or  
applicant's reference  
number (if applicable)

N/A

5 Are you claiming that this application be treated as having been filed on the date of filing of an earlier application?

Yes ☐ No ☐ ➔ *go to 6*

**↓**  
***please give details below***

number of earlier application or patent number

N/A

 filing date

(day month . year)

☐ and the Section of the Patents Act 1977 under which you are claiming:

*Please mark correct box*

15(4) (Divisional) ☐ 8(3) ☐ 12(6) ☐ 37(4) ☐

**- ⑤ If you are declaring priority from a PCT Application please enter 'PCT' as the country and enter the country code (for example, GB) as part of the application number.**

*Please give the date in all number format, for example, 31/05/90 for 31 May 1990.*

### ⑥ Declaration of priority

6 If you are declaring priority from previous application(s), please give:

Country of filing	Priority application number (if known)	Filing date (day, month, year)
	N/A	

2d, 2e and 2f: If there are further applicants please provide details on a separate sheet of paper.

☐ **Second applicant (if any)**

If you are applying as a corporate body please give:

Corporate name

Country (and State  
of incorporation, if  
appropriate)

2e If you are applying as an individual or one of a partnership please give in full:

Surname

Forenames

2f In all cases, please give the following details:

Address

UK postcode  
(if applicable)

Country

ADP number  
(if known)

③ An address for service in the United Kingdom must be supplied

Please mark correct box

③ **Address for service details**

3a Have you appointed an agent to deal with your application?

Yes ☐

No ☒ go to 3b

↓  
please give details below

Agent's name

Agent's address

Postcode

Agent's ADP  
number

3b: If you have appointed an agent, all correspondence concerning your application will be sent to the agent's United Kingdom address.

3b If you have not appointed an agent please give a name and address in the United Kingdom to which all correspondence will be sent:

Name DURACOR LTD

Address UNIT 7  
CARLTON MINFORD BUSINESS PARK

THIRSK

N. YORKS

Postcode YO7 4NF

ADP number  
(if known)

Daytime telephone  
number (if available)

01845  
525250.  
8225906001

7 The answer must be 'No' if:  
any applicant is not an inventor  
there is an inventor who is not an  
applicant, or  
any applicant is a corporate body.

## 7 Inventorship

7 Are you (the applicant or applicants) the sole inventor or the joint inventors?

Please mark correct box

Yes ☒

No ☐

A Statement of Inventorship on Patents  
Form 7/77 will need to be filed (see Rule 15).

8 Please supply duplicates of  
claim(s), abstract, description and  
drawing(s).

## 8 Checklist

8a Please fill in the number of sheets for each of the following types of  
document contained in this application.

Continuation sheets for this Patents Form 1/77

NIL

Claim(s)

31

Description

32

Abstract

31

Drawing(s)

31 + 1

8b Which of the following documents also accompanies the application?

Priority documents (please state how many)

NONE

Translation(s) of Priority documents (please state how many)

..

Patents Form 7/77 – Statement of Inventorship and Right to Grant  
(please state how many)

11

Patents Form 9/77 – Preliminary Examination/Search

..

Patents Form 10/77 – Request for Substantive Examination

..

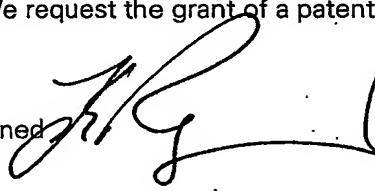
Please mark correct box(es)

9 You or your appointed agent (see  
Rule 90 of the Patents Rules 1990)  
must sign this request.

## 9 Request

I/We request the grant of a patent on the basis of this application.

Signed



Date 25 04 02.  
(day month year)

Please sign here ➡

A completed fee sheet should  
preferably accompany the fee.

Please return the completed form, attachments and duplicates  
where requested, together with the prescribed fee to either:

☐ The Comptroller  
The Patent Office  
Cardiff Road  
Newport  
Gwent  
NP9 1RH

or

☐ The Comptroller  
The Patent Office  
25 Southampton Buildings  
London  
WC2A 1AY

## Skid Assembly For The Air Transport Of Standard ISO Pallets

### Abstract

Standard I.S.O. pallets and mini shipping containers are currently shipped by air. The said pallets and mini containers have corner fittings fitted at the lower corners to enable stacking and securing in other modes of transport.

i.e. road, rail and sea

The corner fittings are fitted at least 12mm below the base plane of the pallet or container. To enable them to be loaded into aircraft a skid assembly has to be attached at each side to give a substantially flat base which can move easily on the rollers in the deck of the aircraft.

---

Considering the various sizes of pallets and containers in service, numerous skids of different lengths have to be made available.

---

What the present invention proposes is to produce a skid which is telescopic to cater for various lengths and widths of pallet.

A standard tooth arrangement is provided for locking the skid to the attachment pins in the aircraft.

Fig 1 Skid assembly

The proposed invention consists of:-

The skid is manufactured from rectangular hollow tube (1) with flat sheet top and bottom plates (2) (3). The cavity thus formed is filled with structural foam to provide the required load bearing capacity without adding weight.

The attaching twistlocks (4) are mounted to plates (5) which have rectangular hollow sections at the outer point which can slide into the hollow sections of the skid body.

Spring loaded shoot bolts (6) are built into the body which locate in holes of the hollow sections attached to the twistlocks thus by providing holes in the said hollow sections into which the shoot bolts engage the various  
-----  
~~lengths of pallet and containers can be accommodated.~~

A further improvement is achieved by producing the tooth engagement sections (8) as a hollow section and inserting hard wearing nylon plugs (7) into the ends at the contact points.

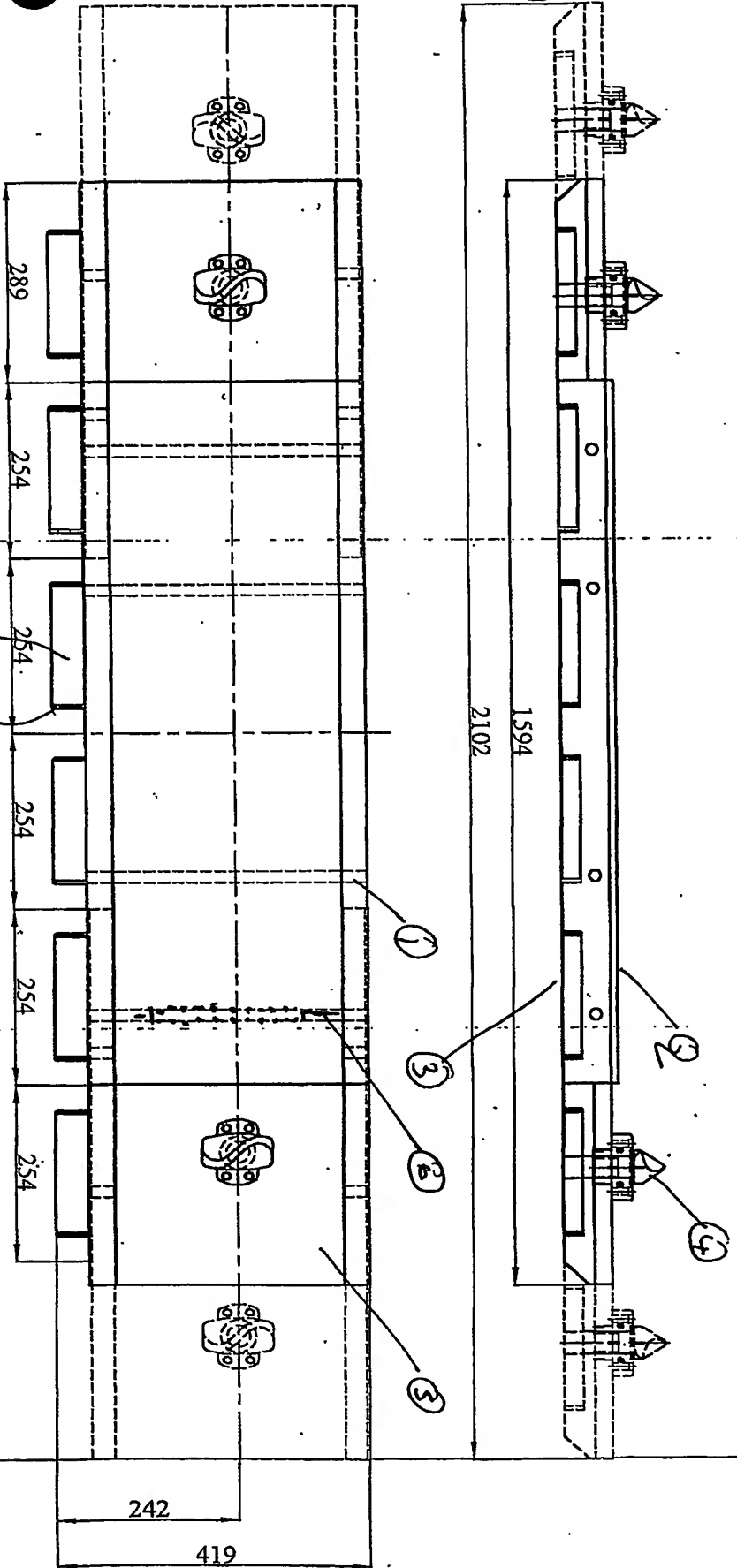
---



Claims

- 1) A skid assembly as described where the length is adjustable.
  - 2) A skid as at claim 1 where the body is filled with structural foam.
  - 3) A skid as at claim 1 where the engagement teeth are fitted with synthetic or rubber inserts.
- 
-

FIG 1



DO NOT SCALE. IF IN DOUBT ASK.		DURALOC	
DURALOC LTD	COPYRIGHT	DRAWN K M BIRD	CHECKED
This drawing and the information contained herein is the property of DURALOC LIMITED and must not be reproduced in part or whole without prior permission from DURALOC LIMITED, the drawings original owners.		DATE 19-MARCH-2002	WEIGHT
		TITLE SKID	
		TRICON/QUADCON	

**This Page is Inserted by IFW Indexing and Scanning  
Operations and is not part of the Official Record**

**BEST AVAILABLE IMAGES**

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- ☐ **BLACK BORDERS**
- ☐ **IMAGE CUT OFF AT TOP, BOTTOM OR SIDES**
- ☐ **FADED TEXT OR DRAWING**
- ☐ **BLURRED OR ILLEGIBLE TEXT OR DRAWING**
- ☐ **SKEWED/SLANTED IMAGES**
- ☐ **COLOR OR BLACK AND WHITE PHOTOGRAPHS**
- ☐ **GRAY SCALE DOCUMENTS**
- ☒ **LINES OR MARKS ON ORIGINAL DOCUMENT**
- ☒ **REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY**
- ☐ **OTHER:** \_\_\_\_\_

**IMAGES ARE BEST AVAILABLE COPY.**

**As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.**